#2

OIPE

RAW SEQUENCE LISTING DATE: 07/30/2001
PATENT APPLICATION: US/09/910,120 TIME: 15:58:04

Input Set : A:\1751seq.001
Output Set: N:\CRF3\07302001\I910120.raw

ENTERED

```
      3 <110> APPLICANT: DANA AULT-RICHE
      4       PAUL D. KASSNER
      6 <120> TITLE OF INVENTION: COLLECTIONS OF BINDING PROTEINS AND TAGS
      7       AND USES THEREOF FOR NESTED SORTING AND HIGH THROUGHPUT
      8       SCREENING
     10 <130> FILE REFERENCE: 25885-1751
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/910,120
     13 <141> CURRENT FILING DATE: 2001-07-18
     15 <150> PRIOR APPLICATION NUMBER: 60/219,183
     16 <151> PRIOR FILING DATE: 2000-07-19
     18 <160> NUMBER OF SEQ ID NOS: 73
     20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
     22 <210> SEQ ID NO: 1
     23 <211> LENGTH: 18
     24 <212> TYPE: DNA
     25 <213> ORGANISM: Artificial Sequence
     27 <220> FEATURE:
     28 <223> OTHER INFORMATION: Primer
     30 <221> NAME/KEY: variation
     31 <222> LOCATION: 5,6,11,14,17
     32 <223> OTHER INFORMATION: N is any
     34 <400> SEQUENCE: 1
W--> 35 gatcnngatc ntcngang                                          18
     37 <210> SEQ ID NO: 2
     38 <211> LENGTH: 18
     39 <212> TYPE: DNA
     40 <213> ORGANISM: Artificial Sequence
     42 <220> FEATURE:
     43 <223> OTHER INFORMATION: Primer
     45 <221> NAME/KEY: variation
     46 <222> LOCATION: 5,6,11,14,17
     47 <223> OTHER INFORMATION: N is any
     49 <400> SEQUENCE: 2
W--> 50 gatcnngatc ntcngang                                          18
     52 <210> SEQ ID NO: 3
     53 <211> LENGTH: 18
     54 <212> TYPE: DNA
     55 <213> ORGANISM: Artificial Sequence
     57 <220> FEATURE:
     58 <223> OTHER INFORMATION: Primer
     60 <221> NAME/KEY: variation
     61 <222> LOCATION: 5,6,11,14,17
     62 <223> OTHER INFORMATION: N is any
     64 <400> SEQUENCE: 3
W--> 65 gatcnngatc ntcngang                                          18
     67 <210> SEQ ID NO: 4
     68 <211> LENGTH: 74
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<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Primer
<221> NAME/KEY: variation
<222> LOCATION: 66
<223> OTHER INFORMATION: N is G or T
<221> NAME/KEY: misc_feature
<222> LOCATION: 39-42
<223> OTHER INFORMATION: Shine-Dalgarno sequence (AGGA)
<400> SEQUENCE: 4
gaattctaat acgactcact atagggttaa ctttaagaag gagatataca tatgatggtc 60
M-> 85 cagctnctcg agtc 74
<210> SEQ ID NO: 5
<211> LENGTH: 53
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Primer
<221> NAME/KEY: variation
<222> LOCATION: 45
<223> OTHER INFORMATION: N is G or T
<221> NAME/KEY: misc_feature
<222> LOCATION: (1)...(17)
<223> OTHER INFORMATION: T7 RNA polymerase promotor
<221> NAME/KEY: misc_feature
<222> LOCATION: 34-36
<223> OTHER INFORMATION: Start codon
<400> SEQUENCE: 5
M-> 108 taatacgact cactataggg aagcttggcc accatggtcc agctnctcga gtc 53
<210> SEQ ID NO: 6
<211> LENGTH: 34
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Oligonucleotide: SfilNotIFor
<400> SEQUENCE: 6
catggcggcc cagccggcct aatgagcggc cgca 34
<210> SEQ ID NO: 7
<211> LENGTH: 34
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Oligonucleotide: SfilNotIRev
<400> SEQUENCE: 7
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<210> SEQ ID NO: 8
<211> LENGTH: 43
<212> TYPE: DNA

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<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Oligonucleotide: HAFor
<400> SEQUENCE: 8
ctagaatatc cgtatgatgt gccggattat gcgaatagcg ccg 43
<210> SEQ ID NO: 9
<211> LENGTH: 43
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Oligonucleotide: HARev
<400> SEQUENCE: 9
tcgacggcgc tattcgcata atccggcaca tcatacggat aaa 43
<210> SEQ ID NO: 10
<211> LENGTH: 40
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Oligonucleotide: M2For
<400> SEQUENCE: 10
ctagaagatt ataaagatga cgacgataaa aatagcgccg 40
<210> SEQ ID NO: 11
<211> LENGTH: 40
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Oligonucleotide: M2Rev
<400> SEQUENCE: 11
tcgacggcgc tatttttatc gtcgtcatct ttataatcaa 40
<210> SEQ ID NO: 12
<211> LENGTH: 23
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Primer: HuVH1aBACK
<400> SEQUENCE: 12
caggtgcagc tggtgcagtc tgg 23
<210> SEQ ID NO: 13
<211> LENGTH: 23
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Primer:HuVH2aBACK
<400> SEQUENCE: 13
cagctcaact taagggagtc tgg 23
<210> SEQ ID NO: 14
<211> LENGTH: 23
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence

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PATENT APPLICATION: US/09/910,120 TIME: 15:58:04

Input Set : A:\1751seq.001
Output Set: N:\CRF3\07302001\I910120.raw

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203 <220> FEATURE:
204 <223> OTHER INFORMATION: Primer:HuVH3aBACK
206 <400> SEQUENCE: 14
207 gaggtgcagc tggtggagtc tgg                                          23
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210 <211> LENGTH: 23
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Primer:HuVH4aBACK
217 <400> SEQUENCE: 15
218 caggtgcagc tgcaggagtc ggg                                          23
220 <210> SEQ ID NO: 16
221 <211> LENGTH: 23
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Primer:HuVH5aBACK
228 <400> SEQUENCE: 16
229 gaggtgcagc tgttgcagtc tgc                                          23
231 <210> SEQ ID NO: 17
232 <211> LENGTH: 23
233 <212> TYPE: DNA
234 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: Primer:HuVH6aBACK
239 <400> SEQUENCE: 17
240 caggtacagc tgcagcagtc agg                                          23
242 <210> SEQ ID NO: 18
243 <211> LENGTH: 24
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Primer:HuJH1-2FOR
250 <400> SEQUENCE: 18
251 tgaggagacg gtgaccaggg tgcc                                         24
253 <210> SEQ ID NO: 19
254 <211> LENGTH: 24
255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Primer: HuJH3FOR
261 <400> SEQUENCE: 19
262 tgaagagacg gtgaccattg tccc                                         24
264 <210> SEQ ID NO: 20
265 <211> LENGTH: 24
266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
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RAW SEQUENCE LISTING DATE: 07/30/2001
PATENT APPLICATION: US/09/910,120 TIME: 15:58:04

Input Set : A:\1751seq.001
Output Set: N:\CRF3\07302001\I910120.raw

<223> OTHER INFORMATION: Primer: HuJH4-5FOR
<400> SEQUENCE: 20
tgaggagacg gtgaccaggg ttcc 24
<210> SEQ ID NO: 21
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<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Primer: HuJH6FOR
<400> SEQUENCE: 21
tgaggagacg gtgaccgtgg tccc 24
<210> SEQ ID NO: 22
<211> LENGTH: 23
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Primer: HuVkappa1aBACK
<400> SEQUENCE: 22
gacatccaga tgacccagtc tcc 23
<210> SEQ ID NO: 23
<211> LENGTH: 23
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Primer: HuVkappa2aBACK
<400> SEQUENCE: 23
gatgttgtga tgactcagtc tcc 23
<210> SEQ ID NO: 24
<211> LENGTH: 23
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Primer: HuVkappa3aBACK
<400> SEQUENCE: 24
gaaattgtgt tgacgcagtc tcc 23
<210> SEQ ID NO: 25
<211> LENGTH: 23
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Primer: HuVkappa4aBACK
<400> SEQUENCE: 25
gacatcgtga tgacccagtc tcc 23
<210> SEQ ID NO: 26
<211> LENGTH: 23
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Primer: HuVkappa5aBACK

VERIFICATION SUMMARY DATE: 07/30/2001
PATENT APPLICATION: US/09/910,120 TIME: 15:58:05

Input Set : A:\1751seq.001
Output Set: N:\CRF3\07302001\I910120.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:35 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:50 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:65 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:729 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:62
L:762 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:65